

CLAIMS

1. A method for developing an application, comprising:

selecting one of a plurality of patterns, each of said plurality of patterns having at least one of a plurality of business artifacts;

designing said application using said at least one of said plurality of business artifacts associated with said selected one of said plurality of patterns;

generating code based on said at least one of said plurality of business artifacts; and

interfacing said code with at least one platform independent service.
2. The method of claim 1, wherein said plurality of patterns includes a process workflow application pattern, service request application pattern, web-based application pattern and a reporting pattern.
3. The method of claim 1, wherein said plurality of business artifacts includes a process business artifact, an activity business artifact, a user interface business artifact, a business object business artifact and a data business artifact.
4. The method of claim 1, wherein said plurality of patterns include a process workflow application pattern and said at least one of said plurality of business artifacts associated with said process workflow application pattern includes a process business artifact, an activity business artifact, a user interface business artifact, a business object business artifact and a data business artifact.
5. The method of claim 1, wherein said plurality of patterns include a service request application pattern and said at least one of said plurality of business artifacts associated with said service request application pattern includes an activity business artifact, a business object business artifact and a data business artifact.

6. The method of claim 1, wherein said plurality of patterns include a web-based application pattern and said at least one of said plurality of business artifacts associated with said web-based application pattern includes a user-interface business artifact, a business object business artifact and data business artifact.
7. The method of claim 1, wherein said plurality of patterns include a reporting pattern and said at least one of said plurality of business artifacts associated with said reporting pattern includes a user interface business artifact and a data business artifact.
8. The method of claim 1, further comprising a plurality of business artifact services and the step of interfacing said code with at least one platform independent service includes the step of:
interfacing said code with said at least one platform independent service via said business artifact services.
9. The method of claim 8, wherein said business artifact services includes a workflow framework, an activity framework, user interface services, a business object framework and database application.
10. The method of claim 1, wherein said platform independent services include logging services, security services, messaging services and transaction services.
11. The method of claim 1, further comprising the step of:
interfacing said at least one platform independent service with a platform specific adapter.
12. The method of claim 11, wherein said platform specific adapter is selected from a group including an NT adapter, a Solaris adapter and a S390 adapter.
13. The method of claim 1, wherein the step of designing said application includes the step of:

forming a workflow using said at least one of said plurality of business artifacts.

14. The method of claim 1, wherein said application is to be modified and wherein the method further comprises the steps of:

changing at least one of said plurality of business artifacts associated with said selected one of said plurality of patterns; and

regenerating code based on said at least one of said plurality of business artifacts.

15. The method of claim 1, wherein the step of generating code includes the step of:

converting said code into an executable format.

16. A system for developing an application, comprising:

a modeling engine for selecting one of a plurality of patterns, each of said plurality of patterns having at least one of a plurality of business artifacts, and for designing said application using said at least one of said plurality of business artifacts associated with said selected one of said plurality of patterns; and

a forward engineering module for generating code based on said at least one of said plurality of business artifacts;

wherein said code interfaces with at least one platform independent service.

17. The system of claim 16, wherein said plurality of patterns includes a process workflow application pattern, service request application pattern, web-based application pattern and a reporting pattern.

18. The system of claim 16, wherein said plurality of business artifacts includes a process business artifact, an activity business artifact, a user interface business artifact, a business object business artifact and a data business artifact.

19. The system of claim 16, wherein said plurality of patterns include a process workflow application pattern and said at least one of said plurality of business artifacts associated with said process workflow application pattern includes a process business artifact, an activity business artifact, a user interface business artifact, a business object business artifact and a data business artifact.
20. The system of claim 16, wherein said plurality of patterns include a service request application pattern and said at least one of said plurality of business artifacts associated with said service request application pattern includes an activity business artifact, a business object business artifact and a data business artifact.
21. The system of claim 16, wherein said plurality of patterns include a web-based application pattern and said at least one of said plurality of business artifacts associated with said web-based application pattern includes a user-interface business artifact, a business object business artifact and data business artifact.
22. The system of claim 16, wherein said plurality of patterns include a reporting pattern and said at least one of said plurality of business artifacts associated with said reporting pattern includes a user interface business artifact and a data business artifact.
23. The system of claim 16, further comprising a plurality of business artifact services and wherein said code interfaces with said at least one platform independent service via said business artifact services.
24. The system of claim 23, wherein said business artifact services includes a workflow framework, an activity framework, user interface services, a business object framework and database application.

25. The system of claim 16, wherein said platform independent services include logging services, security services, messaging services and transaction services.
26. The system of claim 16, wherein said at least one platform independent service interfaces with a platform specific adapter.
27. The system of claim 26, wherein said platform specific adapter is selected from a group including an NT adapter, a Solaris adapter and a S390 adapter.
28. The system of claim 16, wherein a workflow is formed using said at least one of said plurality of business artifacts.
29. The system of claim 16, wherein said application is modified by changing at least one of said plurality of business artifacts associated with said selected one of said plurality of patterns and regenerating said code based on said at least one of said plurality of business artifacts.
30. The system of claim 16, wherein said code into converted by said forward engineering module into an executable format.
31. A method for developing an application, comprising:
 - a means for selecting one of a plurality of patterns, each of said plurality of patterns having at least one of a plurality of business artifacts;
 - a means for designing said application using said at least one of said plurality of business artifacts associated with said selected one of said plurality of patterns;
 - a means for generating code based on said at least one of said plurality of business artifacts; and
 - a means interfacing said code with at least one platform independent service.